having read the following detailed description of the preferred embodiment which is illustrated in the various drawing figures.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a light-emitting polymer implemented in this invention for making a color image display panel.

Fig. 2 is a cross sectional view of an array of LEP optical fiber light-emitting segments controllable by a two dimensional signal input lines for color image display'

Fig. 3 is another configuration of a light-emitting polymer optical fiber employed in this invention for making LEP optical fiber color display panel as shown in Fig. 5, and

Fig 4 is a perspective view of another color display system formed with a plurality of LEP light emitting segments each controlled by X-Y array of control lines in responding to image display signals.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Fig. 1 is a cross sectional view of a light emitting polymer (LEP) optical fiber 100. The LEP optical fiber is supported on an optical fiber 105 commonly formed with a material generally employed as a glass substrate. A metal layer 110 is then deposited over the top surface of the optical fiber 105 to function as an electrode layer 110. A light emitting polymer (LEP) layer 120 is then coated over the electrode layer 110. The LEP layer is then covered with an indium/tin oxide (ITO) layer 130 to function as a transparent electrode layer 130. The LEP optical fiber as shown in Fig. 2 will emit a light when a voltage, e.g., five volts of voltage, is applied between the metal electrode layer 110 and the ITO layer 130. The color of the light emitted from the light emitting polymer (LEP) outwardly through the transparent ITO layer can be adjusted by employing different kinds of LEP layer 120.